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Investigator Name: Lockhart, Lillian

Mission (Payload): Skylab 2 and 3

Experiment Title (ID): Cytogenetic Studies of Blood (M111)

File Name/Inventory ID: M111__2170529392.pdf

Skylab 2 Data Collection for M111

Venous heparinized blood was drawn either at the Johnson Space Center (JSC) or the Kennedy Space Center (KSC) in one to two milliliter aliquots and was obtained at the time of drawing for other medical procedures. Each sample was allowed to settle, and five to seven drops of the buffy coat were placed in Chromosome Medium 1A. Four such cultures were initiated on each person from each blood drawing. The cultures were then incubated for a period of 60 to 70 hours at 37 Celsius. Prior to examination, the cells were treated with 0.1 micromg/ml Colcemid for two hours.

Table of Sessions Performed				
Payload ID	Scheduled Day	Actual Day	Actual Date	Grouped Subjects
Skylab 2		L-53	2 APRIL 73	3 subjects
Skylab 2		L-29	26 APRIL 73	3 subjects
Skylab 2		L-28	27 APRIL 73	3 subjects
Skylab 2		L-23	2 MAY 73	3 subjects
Skylab 2		L-18	7 MAY 73	3 subjects
Skylab 2		L-11	14 MAY 73	3 subjects
Skylab 2		L-1	24 MAY 73	3 subjects
Skylab 2		R+0	22 JUNE 73	Unsuccessful
Skylab 2		R+1	23 JUNE 73	3 subjects
Skylab 2		R+4	26 JUNE 73	3 subjects
Skylab 2		R+7	29 JUNE 73	3 subjects
Skylab 2		R+13	5 JULY 73	3 subjects
Skylab 2		R+17	9 JULY 73	1 subject
Skylab 2		R+18	10 JULY 73	2 subjects

Skylab 3 Data Collection for M111

Venous heparinized blood was drawn either at the Johnson Space Center (JSC) or the Kennedy Space Center (KSC) in one to two milliliter aliquots and was obtained at the time of drawing for other medical procedures. Each sample was allowed to settle, and five to seven drops of the buffy coat were placed in Chromosome Medium 1A. Four such cultures were initiated on each person from each blood drawing. The cultures were then incubated for a period of 60 to 70 hours at 37 Celsius. Prior to examination, the cells were treated with 0.1 micromg/ml Colcemid for two hours.

Payload ID	Scheduled Day	Actual Day	Actual Date	Grouped Subjects
Skylab 3		L-21	8 JULY 73	3 subjects
Skylab 3		L-20	9 JULY 73	3 subjects
Skylab 3		L-17	12 JULY 73	3 subjects
Skylab 3		L-9	20 JULY 73	3 subjects
Skylab 3		L-2	27 JULY 73	3 subjects
Skylab 3		R+0	25 SEPT 73	3 subjects
Skylab 3		R+1	26 SEPT 73	3 subjects
Skylab 3		R+3	28 SEPT 73	3 subjects
Skylab 3		R+7	2 OCT 73	3 subjects
Skylab 3		R+14	9 OCT 73	3 subjects
Skylab 3		R+20	15 OCT 73	3 subjects